

WHAT IS CLAIMED IS:

1. A transmitter apparatus comprising:

a first transmitter configured to transmit encrypted contents to which link information is added;  
5 and

a second transmitter configured to transmit to a communication network an encryption key usable for decrypting the contents transmitted by said first transmitter, said encryption key being transmitted  
10 based on uplink data which is generated using the link information transmitted by said first transmitter and is input via the communication network.

2. The apparatus of claim 1, wherein said first transmitter includes

15 a divider block configured to divide given contents into data units having a prescribed amount of data,

a processor block configured to execute encryption processing against each of the divided data units using  
20 different encryption keys,

a first adder block configured to add time information to each of the encrypted data units, said time information indicating reproduction timing, and

a second adder block configured to add the link  
25 information to encrypted contents obtained by sequentially continuing the encrypted data units, each of the encrypted data units having said time

information, and

wherein said second transmitter includes

a first transmission part configured to transmit,  
to the communication network, other time information  
5 for specifying the data unit of the encrypted contents  
being transmitted by said first transmitter, and

a second transmission part configured to transmit  
to the communication network the encryption key, said  
encryption key serving to decrypt the data unit  
10 corresponding to the other time information.

3. The apparatus of claim 2, wherein said second  
transmitter is provided with a memory configured to  
record the other time information and the encryption  
key such that the recorded other time information  
15 corresponds to the recorded encryption key.

4. The apparatus of claim 1, wherein said first  
transmitter is provided for a broadcasting station, and  
said second transmitter is provided for a server to be  
connected to an internet serving as said communication  
20 network.

5. A receiver apparatus comprising:

a recorder unit configured to store encrypted  
contents as well as link information;

a transmission unit configured to transmit uplink  
25 data to a communication network, said uplink data  
requiring an encryption key for decrypting the  
encrypted contents, and said uplink data being

generated based on the link information stored in the recorder unit; and

a decryption unit configured to decrypt the encrypted contents stored in the recorder unit using the encryption key, said encryption key being obtained  
5 from the communication network using said uplink data.

6. The apparatus of claim 5, wherein said recorder unit includes

a storage block configured to store the link information as well as the encrypted contents obtained  
10 by executing encryption processing against each of divided data units using different encryption keys, said encrypted contents being obtained by adding time information, indicating reproduction timing, to each of  
15 the encrypted data units,

wherein said uplink data to be transmitted by said transmission unit further requires other time information for decrypting the encrypted contents in unit of each of the data units, and

20 wherein said decryption unit is configured to obtain from the communication network the encryption key as well as the other time information required by said uplink data, and is configured to decrypt the encrypted contents stored in said storage block in unit  
25 of the data unit indicated by the other time information.

7. The apparatus of claim 5, further comprising:

an operation part configured to display on a display screen one or more titles corresponding to the encrypted contents stored in the recorder unit, said titles displayed on the display screen being selectable.

5           8. The apparatus of claim 7, further comprising:

a display part configured to display an operation screen for requiring at least one of a playback, stop, pause, and special playback, with respect to the encrypted contents corresponding to the title selected  
10 by said operation part.

9. A data receiving method comprising:

receiving encrypted contents as well as link information;

storing the received encrypted contents and the  
15 received link information;

generating uplink data based on the stored link information, said uplink data requiring an encryption key for decrypting the encrypted contents;

transmitting the generated uplink data to a  
20 communication network;

obtaining the encryption key, required by said uplink data, from the communication network; and

decrypting the stored encrypted contents based on the obtained encryption key.

25           10. The method of claim 9, further comprising:

executing encryption processing against each of divided data units using different encryption keys, and

adding time information to each of the encrypted data units to provide encrypted contents, said time information indicating reproduction timing, wherein

5 in the generating step, said uplink data requires the time information as well as the encryption key for decrypting the encrypted contents in unit of said data units,

in the receiving step, the time information is received from said communication network, and

10 in the decrypting step, the data units indicated by the received time information are decrypted using the received encryption key.

11. The method of claim 9, further comprising:

15 displaying on a display screen one or more titles corresponding to the stored encrypted contents, said titles displayed on the display screen being configured to be selectable.

12. The method of claim 11, further comprising:

20 displaying an operation screen for requiring at least one of a playback, stop, pause, and special playback, with respect to the encrypted contents corresponding to the title being selected.